



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT Application of
Lu

Group Art Unit: 2813

Application No. 09/838,316

Examiner: Chen

Filed: April 20, 2001

Att. Docket No.: 95-153

For: METHOD FOR FABRICATING SILICON-ON-INSULATOR MATERIAL

* * * * *

September 10, 2002

AMENDEMENT AND RESPONSE TO RESTRICTION REQUIREMENT

Hon. Asst. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

478668
in view
5888297

Sir:

Please preliminarily amend the above-identified application as follows:

IN THE CLAIMS:

Please amend claims 1-4, 6, 11, 16, 19-22, 24, and 26-32 as follows:

1. (Amended) A method for fabricating a silicon-on-insulator (SOI) material on a silicon containing substrate having a major surface, comprising the steps of:

(1) implanting first kind of ions at a first dose and a first energy through said major surface into said silicon containing substrate controlled at a first temperature;

(2) implanting second kind of ions at a second dose and a second energy through said major surface into said silicon containing substrate at a second temperature below 100°C, to form an amorphous region beneath the major surface and to keep the original structure in the major surface of said silicon containing substrate; and

(3) annealing aforesaid silicon containing substrate at a third temperature in the range from 900° to below the melting point of silicon, to form a buried layer by combining the first

#5/EO+
Electronics
Amendment
9/17/02

RECEIVED
SEP 13 2002
TECHNICAL CENTER 2800



Form: PTO/SB/17 (Modified)

2813
\$**REPLY/AMENDMENT
FEE TRANSMITTAL**

Attorney Docket No.	95153-0110
Application Number	09/838,316
Filing Date	April 20, 2001
First Named Inventor	Lu
Group Art Unit	2813
Examiner Name	Chen

AMOUNT ENCLOSED \$ 55

FEE CALCULATION (fees effective 10/01/97)

CLAIMS AS AMENDED	Claims Remaining After Amendment	Highest Number Previously Paid For	Number Extra	Rate	Calculations
TOTAL CLAIMS	33	33	0 ⁽³⁾	X \$18.00 =	
INDEPENDENT CLAIMS	1	3	0	X \$84.00 =	
Since an Official Action set an <u>original</u> due date of <u>September 2, 2002</u> , petition is hereby made for an extension to cover the date this reply is filed for which the requisite fee is enclosed (1 month (\$110); 2 months (\$400); 3 months (\$950); 4 months (\$1,510); 5 months (\$2,060)): 1 month					110
If Statutory Disclaimer under Rule 20(d) is enclosed, add fee (\$110)					+
Total of above Calculations =					\$110
Reduction by 50% for filing by small entity (37 CFR 1.9, 1.27 & 1.28)					-55
TOTAL FEES DUE =					\$55
<small>(1) If entry (1) is less than entry (2), entry (3) is "0". (2) If entry (2) is less than 20, change entry (2) to "20". (4) If entry (4) is less than entry (5), entry (6) is "0". (5) If entry (5) is less than 3, change entry (5) to "3".</small>					

METHOD OF PAYMENT


- ☒ Check enclosed as payment.
- ☐ Charge "TOTAL FEES DUE" to the Deposit Account No., below.

AUTHORIZATION

- ☒ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees under 37 CFR 1.16 or 1.17 necessary to maintain pendency of the present application to:

Deposit Account No.:	50-0687
OrderNo.: (Client/Matter)	95-153

SUBMITTED BY: Manelli Denison & Selter, PLLC

Typed Name	Jeffrey S. Melcher	Reg. No.	35,950
Signature		Date	September 10, 2002